

**FAG****3204-BD-XL-TVH**

Angular contact ball bearing

Schaeffler ID:  
0615192600000

Angular contact ball bearing 32..-BD-XL-TVH, double row, X-life, plastic cage

**X-life**

## Technical information

**Main Dimensions & Performance Data**

d	20 mm	Bore diameter
D	47 mm	Outside diameter
B	20,6 mm	Width
C <sub>r</sub>	20.600 N	Basic dynamic load rating, radial
C <sub>0r</sub>	12.900 N	Basic static load rating, radial
C <sub>ur</sub>	900 N	Fatigue load limit, radial
n <sub>G</sub>	16.100 1/min	Limiting speed
n <sub>gr</sub>	14.700 1/min	Reference speed
	0,149 kg	Weight

**Dimensions**

r <sub>min</sub>	1 mm	Minimum chamfer dimension
D <sub>1</sub>	40,1 mm	Shoulder diameter outer ring
d <sub>1</sub>	30,8 mm	Shoulder diameter inner ring
a	27,9 mm	Distance between the apexes of the pressure cones
α	30 °	Contact angle

**Mounting dimensions**

d <sub>a min</sub>	25,6 mm	Minimum diameter shaft shoulder
D <sub>a max</sub>	41,4 mm	Maximum diameter of housing shoulder
r <sub>a max</sub>	1 mm	Maximum fillet radius

**Temperature range**

T <sub>min</sub>	-30 °C	Operating temperature min.
T <sub>max</sub>	120 °C	Operating temperature max.